

AmerGen Energy Company Oyster Creek US Route 9 South, P.O. Box 388 Forked River, NJ 08731-0388 www.exeloncorp.com

An Exelon Company

August 30, 2005

10 CFR 50.73

2130-05-20163

U. S. Nuclear Regulatory Commission Attn: Document Control Desk Washington, DC 20555 - 0001

> Oyster Creek Generating Station Facility Operating License No. DPR-16 NRC Docket No. 50-219

Subject:

Correction of Licensee Event Report Dates for LER 2005-002-00 and

LER 2005-001-01

It has come to our attention that the Report Date shown in Block 7 on page 1 of each of the subject Licensee Event Reports is inconsistent with the date the reports were submitted to the NRC. A corrected page 1 for each LER is enclosed. There were no other changes to the LERs or to the commitments made in the LERs.

Any confusion caused by this error is regretted. If any further information or assistance is needed, please contact William Stewart at 609-971-4775.

Sincerely,

C. N. Swenson

Vice President, Oyster Creek Generating Station

CNS/WVS

Enclosure:

NRC Form 366, LER 2005-002-00, page 1

NRC Form 366, LER 2005-001-01, page 1

CC:

S. J. Collins, Administrator, USNRC Region I

P. S. Tam, USNRC Senior Project Manager, Oyster Creek

R. J. Summers, USNRC Senior Resident Inspector, Oyster Creek

Files 05041, 05030, and 05011

JE22

NRC FOR (6-2004)	М 366								Estimated burden per response to comply with this mandatory collection request: 50 hours. Reported lessons learned are incorporated into the licensing process and fed back to industry. Send comments regarding burden estimate to the Records and FOIA/Privacy Service Branch (T-5 F52), U.S. Nuclear Regulatory							
	LIC	ENSE	E EVENT	REPOR	T (L	ER)		i E	infocol Regula	lects@nr atory Affa	rc.gov, ar airs, NEOE	nd to the 3-10202 (31	Desi 150-01	k Offic 04), Of	er, Office of fice of Manage	emet e-mail to Information and ment and Budget,
		(See re	verse for re /characters	quired numb for each blo	er of ck)			1	Washington, DC 20503. If a means used to impose information collection does not display a currently valid OMB control number, the NRC may not conduct or sponsor, and a person is not required to respond to, the information collection.							
1. FACILIT	Y NAME					_			2. DO	CKET N	UMBER		3. P	AGE		
Oy:	ster Cree	k, Unit	1			-				05000	0 219)			1 OF	3
				ction Syste			Antic	ipato	ry G	enerat	tor Load	d Reject	Ca	used	by Faulted	
	EVENT DA			ER NUMBER			EPORT	DATE			-	8. OTHER	R FAC	ILITIES	INVOLVED	
MONTH	DAY	YEAR	YEAR	SEQUENTIAL NUMBER	REV NO	МОИТН	DAY	YEA	AR	FACILITY NAME			DOCKET NUMBER			
06	01	2005	2005	- 002 -	00	07	29	200	05	FACILITY NAME			DOC	05000 DOCKET NUMBER		
														5000		
9. OPER/	ATING MO	DE	——————————————————————————————————————		OHIT	-			טו ווא ו		.73(a)(2)(heck all that ap a)(2)(vii)	ply)
N		-	20.22		-	20.2203(a										
							0.2203(a)(3)(ii) 0.2203(a)(4)		50.73(a)(2)(ii)(A) 50.73(a)(2)(ii)(B)		50.73(a)(2)(viii)(A) 50.73(a)(2)(viii)(B)					
	•		L				0.36(c)(1)(i)(A)		50.73(a)(2)(iii)		50.73(a)(2)(ix)(A)					
40 0044		. : "		03(a)(2)(ii)	-	50.36(c)(- 1	50.73(a)(2)(iv)(A) 50.73(a)(2)(ix)(A)				j		
10. POW	EH LEVEL			03(a)(2)(iii)	-	50.36(c)(2)				50.73(a)(2)(v)(A)			73.71(a)(4)			
100			E 3	03(a)(2)(iv)	-	50.46(a)(•							73.71(73.71(
	*			L			(a)(2)(i)(A)			50.73(a)(2)(v)(B) 50.73(a)(2)(v)(C)		OTHER				
			11	03(a)(2)(vi)	-	50.73(a)(73(a)(2)(Specify I	n Abstract below	
									CT F			-7(-7		or in NA	C Form 366A	
FACILITY N	AME				17	2. LICENS	DEE C	UNIA	CIF	או אנ	S LEH		TELE	PHONI	ENUMBED #	ctude Area Code)
	_	noration	ns Support	Managar	~ ; -			,							609) 971-4	
HOOIII B	ilowii, Oj			E ONE LINE	FOR I	FACH CO	MPON	ENT	EAUI	IRE DE	SCRIRE	D IN THIS	DEC		009) 97 1-4	979
CAUSE	SYS		OMPONENT	MANU-		PRTABLE		CAUSE			STEM	COMP			MANU-	REPORTABLE
CA03E	3.3	E.M	JOMP ONE N	FACTURER		EPIX	<u> </u>	ONOOL	•	J.,	31 E.W.		01101	<u> </u>	FACTURER	TO EPIX
					. '.	:		`				· .	,		:	·
				L REPORT E							S. EXPEC		МО	нти	DAY	YEAR
YES	(If yes, co	omplete l	EXPECTED S	UBMISSION	DATE)	1	NO			DATE					
				ly 15 single-space			00%	now	/er. :	an An	nticinat	orv Ger	nera	ator I	oad Beie	ct

On June 1, 2005, at 21:09, with Oyster Creek at 100% power, an Anticipatory Generator Load Reject scram occurred. During restoration of a transformer by the transmission utility at their substation, a failure of lightning arrestors resulted in a phase-to-phase-to-ground short circuit. This resulted in a grid transient of sufficient magnitude that the Oyster Creek Turbine-Generator sensed a load rejection condition, which resulted in a reactor scram signal. The reactor scrammed and the turbine-generator tripped as expected for this condition. All safety systems performed as expected. The plant was stabilized in the hot shutdown mode.

Corrective actions included completing restart required evaluations, testing and confirmation from the involved transmission utility that conditions in the substation would not result in recurrence of the grid disturbance.

The apparent cause of this event was equipment failure of the lightning arrestors in the transmission utility substation that created a grid disturbance.

There have been several grid disturbances over the life of the plant, including two LERs: LER 2003-003, Actuation of Reactor Protection System Due to a Grid Transient (August 14, 2003). LER 1994-007 was a reactor scram caused by a 230 KV bus section differential relay trip while a switchyard worker was installing a Digital Fault Recorder.

NRC FORM (6-2004)	M 366 Ü.S. NÜCLEAR REGULATORY COMMISSION							Estin 50 h and Rec	APPROVED BY OMB: NO. 3150-0104 EXPIRES: 06/30/2007 Estimated burden per response to comply with this mandatory collection request: 50 hours. Reported lessons learned are incorporated into the licensing process and fed back to industry. Send comments regarding burden estimate to the Records and FOIA/Privacy Service Branch (T-5 F52), U.S. Nuclear Regulatory					
	LIC	ENSEF	E EVENT	T REPOR	iT (L	.ER)		Corr	mmissior collects	n, Washing ©nrc.gov, a	gton, DC and to the	20555-0001 Desk Offi	l, or by inte cer, Office of	ernet e-mail to Information and ment and Budget,
		(See rev	erse for recharacters	quired numb for each bloo	er of			Was not	shington display	n, DC 20503. a currently v	. If a means	s used to im control numb	pose informatio	n collection does by not conduct or
1. FACILITY	NAME									TNUMBER		3. PAGE		
	ster Cree	ek, Unit	18		***		1		050	000 219	9		1 OF	3
				" Control Ro				as Retu	ırned t	to Servic	e Prior to	Correct	ting the Cau	se of
	EVENT DAT			LER NUMBER			EPORT	DATE	T		8. OTHER	R FACILITIE	SINVOLVED	
1		<u> </u>		SEQUENTIAL		1	ПТ		FACII	LITY NAME		DOCKET NO		
MONTH	DAY	YEAR	YEAR	NUMBER	NO	монтн	DAY	YEAR	→			05000		
03	18	2005	2005	- 001 -	៊ុ 0 1	08	04	2005	<u></u>	LITY NAME		05000		
9. OPERA	TING MO	DE				_							Check all that app	y)
N				201(b)		20.2203(a				50.73(a)(2)			8(a)(2)(vii)	
14	,		1	201(d)		20.2203(a		i		50.73(a)(2)	(ii)(A)		8(a)(2)(viii)(A)	
	•			203(a)(1)]20.2203(a				50. 7 3(a)(2)		50.73	8(a)(2)(viii)(B)	
				203(a)(2)(i)		50.36(c)(1	1)(i)(A)			50. 7 3(a)(2)	(iii)	50.73	8(a)(2)(ix)(A)	
10. POWE	R LEVEL	.		203(a)(2)(ii)]50.36(c)(1	1)(ii)(A))		50.73(a)(2)	(iv)(A)	50.73	(a)(2)(x)	
400		. • •		203(a)(2)(iii)		50.36(c)(2	2)			50. 73 (a)(2)			(a)(4)	
100	•	٠.	20.22	203(a)(2)(iv)		50.46(a)(3	3)(ii)		<u> </u>	50.73(a)(2)	(v)(B)	73.71	(a)(5)	
		1	20.22	203(a)(2)(v)	(v) 50.73(a)(2)(i)(A)				50.73(a)(2)(v)(C)			OTHER		
		: '	20.22	203(a)(2)(vi)	7	50.73(a)(2	2)(i)(B)	ı	50.73(a)(2)(v)(D) Specify in Abstract below or in NRC Form 366A					
					17	2. LICENS	SEE CC	ONTACT	FOR T	HIS LER		1 0,	1010	
FACILITY NA	AME											TELEPHON	NE NUMBER (Inc	clude Area Code)
Robin Br	rown. O	neration	s Support	Manager		100						.: (609) 971-49	979
	<u> </u>			TE ONE LINE	FOR	EACH CO	MPON	ENT FAI	LURE	DESCRIBE	D IN THIS			
CAUSE	SYST		OMPONENT	MANU- FACTURER	REPO	DRTABLE DEPIX		CAUSE		SYSTEM	, — — —	ONENT	MANU- FACTURER	REPORTABLE TO EPIX
		•						, ,						
		14. SUP	PLEMENTA	AL REPORT E	XPEC	TED				15. EXPE		НТИОМ	DAY	YEAR
YES	(If yes, c	omplete E	XPECTED §	SUBMISSION	DATE,)	7	NO		SUBMISS DATE				
: 20 7 D 4 O									1			<u> </u>	•	
	•	•		ely 15 single-spaced	•	-				- .				
Durin	ig a tunc	tional te	st of the 1	A2 Local S	hutac	own Pan	el (LS	3P) at 13	1254 o	on Februa	ary 17, 20	005, the	"A" Control	Rod

During a functional test of the 1A2 Local Shutdown Panel (LSP) at 1254 on February 17, 2005, the "A" Control Rod Drive (CRD) Pump failed to start from the Main Control Room (MCR). The cause of this failure was attributed to contact high resistance on relay TR-2 in the 1A2 LSP. It was concluded that the high resistance cleared itself during subsequent relay operation. The relay was then scheduled for future replacement. "A" CRD Pump was successfully surveilled and returned to service. On March 16, 2005 at 1834, during a regular monthly surveillance, "A" CRD Pump did not start. Subsequent investigation found the 480 VAC breaker-closing spring was not charged. The closing spring is recharged by an electric motor immediately after the breaker opens. On March 18, 2005, investigation revealed a loose terminal wire connection to relay TR-2 within the LSP, which prevented charging of the closing spring. It is believed this condition existed on February 17, 2005 and should have been corrected. Technical Specifications (TS) only allow a 7-day out of service time for CRD Pumps resulting in a violation of TS 3.4.D.

Corrective actions included replacing the relay, sending the relay out for failure analysis and performing verification of closing spring condition on all safety related 480 VAC breakers.

This Supplemental LER is based on determination of the root causes to be a manufacturing deficiency consisting of a loose connection in the LSP, which caused the closing spring to not recharge, and a failure to detect that the closing spring was discharged prior to exceeding the Tech Spec out of service allotment.

There were no previous similar events at Oyster Creek Generating Station involving a breaker failing to close on demand due to the closing spring being discharged.



AmerGen Energy Company Oyster Creek US Route 9 South, P.O. Box 388 Forked River, NJ 08731-0388 www.exeloncorp.com

An Exelon Company

10 CFR 50.73

2130-05-20139

U. S. Nuclear Regulatory Commission Attn: Document Control Desk Washington, DC 20555 - 0001

> Oyster Creek Generating Station Facility Operating License No. DPR-16

NRC Docket No. 50-219

Subject: Licensee Event Report 2005-002-00, Actuation of Reactor Protection

System Due to An Anticipatory Generator Load Reject Caused by Faulted

Lightning Arrestors in a Local Sub-Station

Enclosed is Licensee Event Report 2005-002, Revision 0. This event did not affect the health and safety of the public or plant personnel. This event did not result in a safety system functional failure. Attachment 1 lists the regulatory commitments made in this LER submittal.

If any further information or assistance is needed, please contact David Fawcett at 609-971-4284.

Sincerely

C. N. Swenson

Vice President, Oyster Creek Generating Station

CNS/DIF

Attachment 1: Summary of Commitments

Enclosure: NRC Form 366, LER 2005-002-00

cc: S. J. Collins, Administrator, USNRC Region I

P. S. Tam, USNRC Senior Project Manager, Oyster Creek

R. J. Summers, USNRC Senior Resident Inspector, Oyster Creek

File No. 05041

IE22

ATTACHMENT 1

OCGS Licensee Event Report 2005-002-00

SUMMARY OF COMMITMENTS

The following table identifies commitments made in this document by Exelon Nuclear. (Any other actions discussed in the submittal represent intended or planned actions by Exelon Nuclear. They are described to the NRC for the NRC's information and are not regulatory commitments.)

Commitment	Committed Date or "Outage"
In conjunction with the transmission utility, Oyster Creek will review the utility's work practices during this event to determine if improvements in their substation work control are warranted.	October 30, 2005

(6-2004) ⁻ `							Es 50 an Re	Estimated burden per response to comply with this mandatory collection request 50 hours. Reported lessons learned are incorporated into the licensing process and fed back to industry. Send comments regarding burden estimate to the Records and FOIA/Privacy Service Branch (T-5 F52), U.S. Nuclear Regulaton							
LICENSEE EVENT REPORT (LER)								Co inf Re	ocolle ocolle	ssion, Washing ects@nrc.gov, a tory Affairs, NEOI	ton, DC nd to the 3-10202 (3)	20555-0001 Desk Offi 150-0104), C	l, or by int cer, Office of office of Manage	ernet e-mail to Information and rnent and Budget.	
(See reverse for required number of digits/characters for each block)									no	t disp	igton, DC 20503. play a currently v r, and a person is	alid OMB o	control numb	er, the NRC m	on collection does ay not conduct or tion collection.
1. FACILITY NAME Oyster Creek, Unit 1								2.		05000 219	e mer, a par pri investor a - transfer in transfer a	3. PAGE	1 OF	3	
Lig	ghtning	Arrest	actor F	'rotec a Loc	tion Syste al Sub-Sta	m Du	ti tekn			Ge	enerator Loa	d Rejec	Caused	by Faulted	The small realist as a second of the second
5. E\	VENT DAT	E	<u> </u>	6. LF	ER NUMBER		7. R	EPORT	DATE	\bot		8. OTHE	R FACILITIE	SINVOLVED	
MONTH	DAY	YEAR	t YE	EAR	SEQUENTIAL NUMBER	REV NO	МОМТН	DAY	YEAF	3	FACILITY NAME		DOCKET NO 05000		
06	01	2005	5 20	005	- 002 -	00	07	26	200		FACILITY NAME		DOCKET NUMBER 05000		
N 20.2201(b) 20.2201(d) 20.2203(a)(1) 20.2203(a)(2)(i) 20.2203(a)(2)(ii) 20.2203(a)(2)(iii) 20.2203(a)(2)(iii) 20.2203(a)(2)(iv) 20.2203(a)(2)(v) 20.2203(a)(2)(v) 20.2203(a)(2)(vi)				S SUBMITTED PURSUANT TO 20.2203(a)(3)(i) 20.2203(a)(3)(ii) 20.2203(a)(4) 50.36(c)(1)(i)(A) 50.36(c)(1)(ii)(A) 50.36(c)(2) 50.46(a)(3)(ii) 50.73(a)(2)(i)(A) 50.73(a)(2)(i)(B) 2. LICENSEE CONTACT F				50.73(a)(2)(50.73(a)(2)(50.73(a)(2)(50.73(a)(2)(7 50.73(a)(2)(50.73(a)(2)(50.73(a)(2)(50.73(a)(2)(50.73(a)(2)(60.73(a)(2)(60.73(a)(2)(60.73(a)(2)((i)(C) (ii)(A) (ii)(B) (iii) (iv)(A) (v)(A) (v)(B) (v)(C) (v)(D)	50.73(a)(2)(vii) 50.73(a)(2)(viii)(A) 50.73(a)(2)(viii)(B) 50.73(a)(2)(ix)(A) 50.73(a)(2)(x) 73.71(a)(4) 73.71(a)(5) OTHER Specify in Abstract below or in NRC Form 366A TELEPHONE NUMBER (Include Area Code)					
		1	13. COM	PLET	E ONE LINE	FOR E	EACH CO	MPON	ENT FA	ILUI	RE DESCRIBE	D IN THIS	REPORT		
CAUSE	SYSTE	EM C	COMPONE	.a F	MANU- FACTURER		PRTABLE DEPIX		CAUSE		SYSTEM		ONENT	MANU- FACTURER	REPORTABLE TO EPIX
£77 - 43 - 5					DEPORT				<u> </u>	-	46 EVDE	A SECTION			
14. SUPPLEMENTAL REPORT EXPECTED YES (If yes, complete EXPECTED SUBMISSION DATE) VENUE NO						NO		15. EXPEC SUBMISS DATE	ION	MONTH	DAY	YEAR			
ABSTRACT	() imit to 1/	(00 enace)	e ie enne	nvimatel	y 15 single-space	d henoue	itton lines)								·
								00%	powe	r, a	ın Anticipat	ory Ge	nerator I	Load Reje	ct

On June 1, 2005, at 21:09, with Oyster Creek at 100% power, an Anticipatory Generator Load Reject scram occurred. During restoration of a transformer by the transmission utility at their substation, a failure of lightning arrestors resulted in a phase-to-phase-to-ground short circuit. This resulted in a grid transient of sufficient magnitude that the Oyster Creek Turbine-Generator sensed a load rejection condition, which resulted in a reactor scram signal. The reactor scrammed and the turbine-generator tripped as expected for this condition. All safety systems performed as expected. The plant was stabilized in the hot shutdown mode.

Corrective actions included completing restart required evaluations, testing and confirmation from the involved transmission utility that conditions in the substation would not result in recurrence of the grid disturbance.

The apparent cause of this event was equipment failure of the lightning arrestors in the transmission utility substation that created a grid disturbance.

There have been several grid disturbances over the life of the plant, including two LERs: LER 2003-003, Actuation of Reactor Protection System Due to a Grid Transient (August 14, 2003). LER 1994-007 was a reactor scram caused by a 230 KV bus section differential relay trip while a switchyard worker was installing a Digital Fault Recorder.

NRC FORM 366A U.S. NUCLEAR REGULATORY COMMISSION (1-2001)

LICENSEE EVENT REPORT (LER)

1. FACILITY NAME	2. DOCKET		6. LER NUMBER	<u> </u>	3. PAGE
Oyster Creek, Unit 1	05000219	YEAR 2005	SEQUENTIAL NUMBER - 002 -	REVISION NUMBER	2 OF 3
				1	

17. NARRATIVE (If more space is required, use additional copies of NRC Form 366A)

Description of Event

On June 1, 2005, at 21:09, with Oyster Creek at 100% power, an Anticipatory Generator Load Reject scram occurred. Work was being performed by the transmission utility at their substation on a transformer. When reconnecting the transformer (XFMR) to the grid a phase-to-phase-to-ground fault occurred in 2 lightning arrestors (EIIS-LAR), which subsequently resulted in a significant grid disturbance and loss of approximately 10 -15% of load. This caused the Oyster Creek Main Generator (EIIS-TB) to sense a Load Reject. The Turbine and Generator tripped as expected on the reactor scram.

All safety systems performed as expected. The plant was stabilized in the hot shutdown mode.

Analysis of Event:

The scram occurred as a result of an anticipatory scram signal, which prevented any pressure or reactor power excursions. The plant responded as expected for a scram from full power. Other than the scram there were no challenges to any safety systems. Therefore the consequences of this event were minimal. Actuation of the Reactor Protection System is reportable under 10 CFR 50.73(a)(2)(iv)(A).

Cause of Event:

The apparent cause of this event was failure of lightning arrestors in the transmission utility substation owned and operated by a neighboring utility.

Corrective Actions:

Immediate corrective actions:

Operators took immediate actions in accordance with abnormal operating procedures, and stabilized the plant in hot shutdown pending completion of the post trip review and restart required corrective actions.

The following actions were performed prior to startup:

Oyster Creek Engineering evaluated the magnitude of the grid transient and determined it was sufficient to result in a Generator Load Reject signal.

Long term corrective actions include:

 In conjunction with the transmission utility, Oyster Creek will review the utility's work practices during this event to determine if improvements in their substation work control are warranted. This will be completed by 10/30/2005.

NRC FORM 366A U.S. NUCLEAR REGULATORY COMMISSION (1-2001)

LICENSEE EVENT REPORT (LER)

1. FACILITY NAME	2. DOCKET	CKET 6. LER NUMBER		3, PAGE	
Oyster Creek, Unit 1	05000219	YEAR SEQUENTIAL REVISION NUMBER NUMBER			
		2005	- 002 -	00	3 OF 3

17. NARRATIVE (If more space is required, use additional copies of NRC Form 366A)

Additional Information

A. Failed Components:

No plant components failed in this event.

B. Previous similar events:

LER 1994-007, Reactor Scram due to Personnel Error while performing Switchyard Work LER 2003-003, Actuation of Reactor Protection System due to Grid Transient

C. Identification of components referred to in this Licensee Event Report:

Components	IEEE 805 System ID	IEEE 803A Function
Lightning arrestor	LAR	50
Transformer	FK	XFMR
Main Generator	ТВ	GEN